6 Addition and Subtracon` up to 100
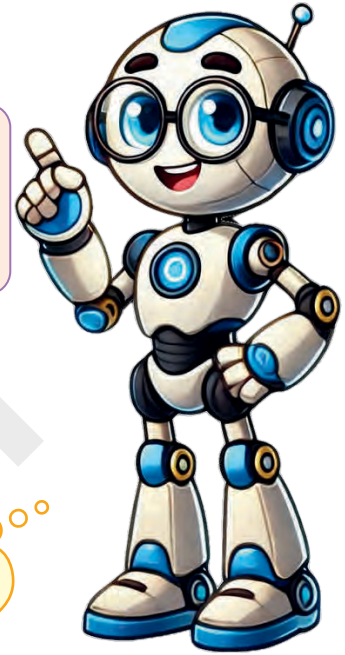
We'll cover the following key points:

→ Addition → Subtraction

→ Word Problems (Story Sums)

Still curious?
Talk to me by scanning the QR code.

Hi, I'm EeeBee

Learning Outcomes

By the end of this chapter, students will be able to:

- Add numbers up to 100 using simple addition facts.
- Solve word problems (story sums) that involve addition up to 100.
- Use a number line to add numbers up to 100.
- Subtract numbers up to 100 using simple subtraction facts.
- Solve word problems (story sums) that involve subtraction up to 100.
- Understand the concept of addition and subtraction as "taking" or "putting together."
- Add and subtract numbers within 100 using mental math strategies.
- Check answers to addition and subtraction problems by using counting or objects.

Guidelines for Teachers

Start by teaching addition up to 100 using objects, number lines, and simple mental math strategies to help students visualize the process. Use word problems (story sums) to encourage students to apply addition in real-life situations, making the math more meaningful. Break down word problems step by step and guide students in identifying the numbers to add. Introduce subtraction by using the number line and objects to show taking away from a group.
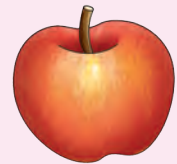
Here is an interesng` word puzzle. Read the clues and find out the hidden words from the word puzzle. One has been done for you.

- 5 candles + 3 candles = 9 candles

- 8 balls + 2 balls = _____

- 9 chocolates – 6 chocolates = _____

- 5 apples + 3 apples = _____

- 5 taken away from 20 = _____

- 6 taken away from 10 = _____

- 2 + 6 + 3 = _____

R	K	R	U	S	E	O	S	B	K
A	D	N	A	H	L	J	U	A	E
N	S	I	I	R	E	A	S	T	I
J	N	N	D	E	V	S	M	A	G
A	T	E	N	Y	E	A	I	L	H
N	H	U	H	A	N	N	T	G	T
K	R	S	W	S	R	I	A	O	O
U	E	A	F	I	F	T	E	E	N
M	E	O	H	A	N	T	Y	D	E
A	R	M	F	O	U	R	O	M	T

Addition

Add 2 – digit and 1 – digit number.

When we put things together, we do addion.`

Puja has 35 bangles. Her mother gave her 3 more bangles.

Now, Puja has 35 + 3 bangles.
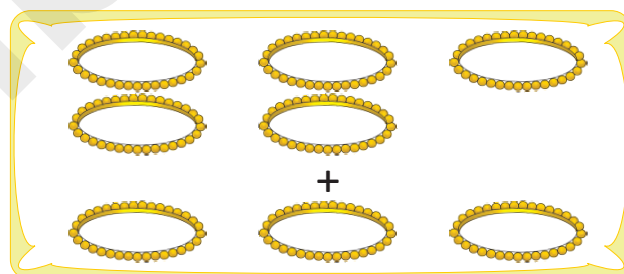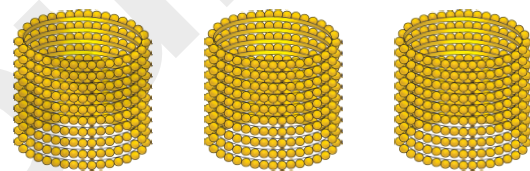
Count forward on the number strip to find the answer.

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

Start at 35. Move forward 3 places. You reach 38.

The answer is 38 .

Step 1 : Add the ones.

5 ones + 3 ones = 8 ones

	T	O
	3	5
+		3
	3	8

Write 8 in the ones column.

Step 2 : Add the tens.

3 tens + 0 ten = 3 tens

	T	O
	3	5
+		3
	3	8
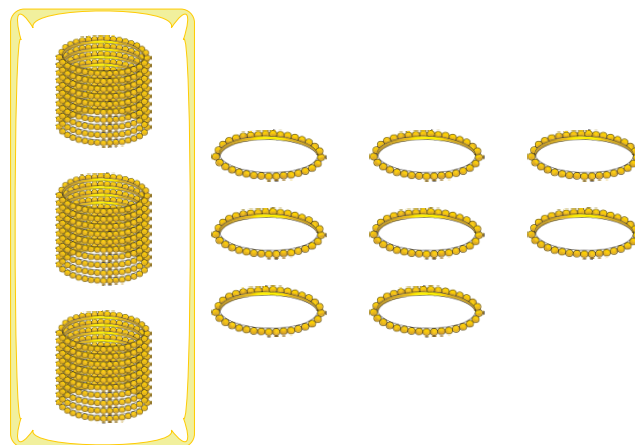
Write 3 in the tens column.

Now, Puja has 38 bangles.
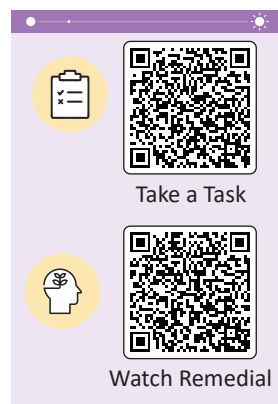
Example 1. Add 24 and 3.

Soluon:`

Step 1 Arrange the numbers in the columns correctly.

Step 2 Add the ones.

4 ones + 3 ones = 7 ones

Write 7 in the ones column.

Step 3 Add the tens.

2 tens + 0 ten = 2 tens

Write 2 in the tens column.

Therefore, 24 + 3 = 27.

T	O
2	4
+	3
2	7

📕 Exercise 6.1

Add the following:

1.

T	O
4	5
+	2

2.

T	O
4	6
+	2

3.

T	O
9	3
+	4

4.

T	O
9	0
+	8

5.

T	O
3	3
+	5

6.

T	O
5	5
+	4

7.

T	O
6	3
+	5

8.

T	O
7	1
+	6

Add two 2 digit numbers.

Example 2. Ashish has 37 grapes and Ajay has 21 grapes. How many grapes do they have altogether?

Soluon:`

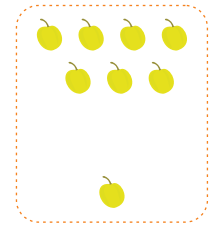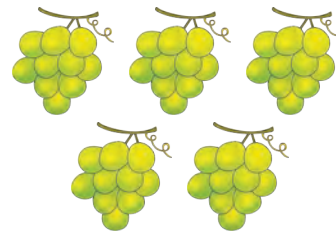**Step 1** Arrange the numbers in the columns correctly.

Step 2 Add the ones.
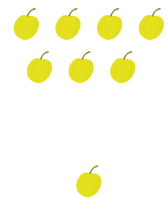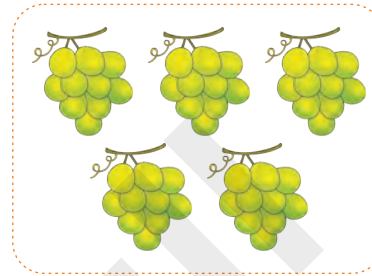
7 ones + 1 one = 8 ones

T	O
3	7
+ 2	1
	8

Write 8 in the ones column.

Step 3 Add the tens.

3 tens + 2 tens = 5 tens

T	O
3	7
+ 2	1
5	8

Write 5 in the tens column.

There are 58 grapes in all.

Example 3. Add 45 and 24.

Soluon:`

Step 1 Arrange the numbers in the columns correctly.

Step 2 Add the ones.

5 ones + 4 ones = 9 ones

Write 9 in the ones column.

Step 3 Add the tens.

4 tens + 2 tens = 6 tens

Write 6 in the tens column.

Therefore, 45 + 24 = 69.

T	O
4	5
+ 2	4
6	9

Exercise 6.2

Add the following:

1.

T	O
4	2
+ 2	2

2.

T	O
6	5
+ 2	4

3.

T	O
7	1
+ 1	4

4.

T	O
5	4
+ 1	5

Math-1

5.

T	O
3	2
+ 4	1

6.

T	O
3	5
+ 1	3

7.

T	O
5	2
+ 2	6

8.

T	O
6	2
+ 1	6

Word Problems (Story Sums)

Take a Task

Watch Remedial
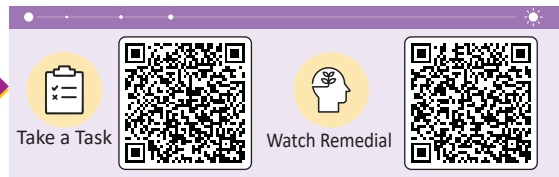
Anita made 12 paper boats. Her brother, Sheryas, made 5 more. How many paper boats did they make in all?

12 paper boats + 5 paper boats = 17 paper boats.

T	O
1	2
+	5
1	7

Exercise 6.3

Read and solve. One has been done for you.

1. There are 12 boys and 17 girls in the park. How many children are there in all?

   12 + 17 = 29 children in all.

Tens	Ones
1	2
+ 1	7
2	9

2. Anu has 32 story books. Her father buys 16 more at the book fair. How many story books do Anu have now?

   32 + 16 = ... story books.

Tens	Ones
3	2
+ 1	6

3. The balloon seller has 43 balloons in one hand and 14 balloons in the other.

How many balloons does he have altogether?

.... + ... = ... balloons.

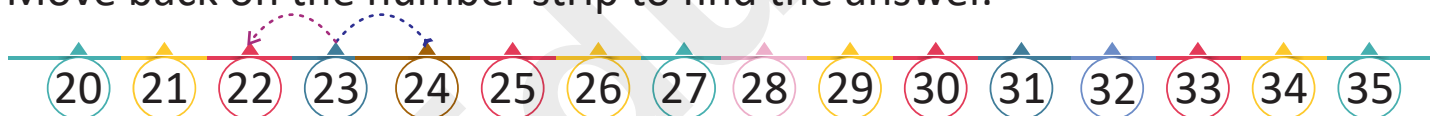| Tens	Ones
4	3
+ 1	4

Subtraction

Subtracon` means taking away. When we subtract a smaller number from a bigger number, the answer we get is called the difference.

Take away a 1- digit number from a 2 - digit number.

Radhika had 24 apples. She ate 2 apples.

How many apples does she have now?
Move back on the number strip to find the answer.

20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

Start at 24. Move back 2 places. You reach 22.
The answer is 22.

Step 1   Subtract the ones.
             4 ones – 2 ones = 2 ones

T	O
2	4
–	2
	2
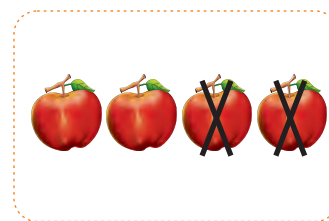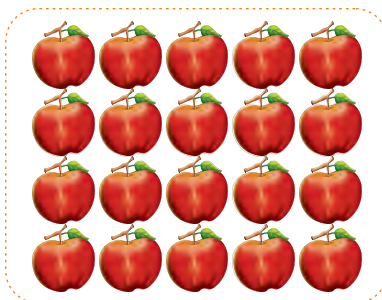
Write 2 in the ones column.

Step 2 Subtract the tens.

2 tens – 0 ten = 2 tens

T	O
2	4
–	2
2	2
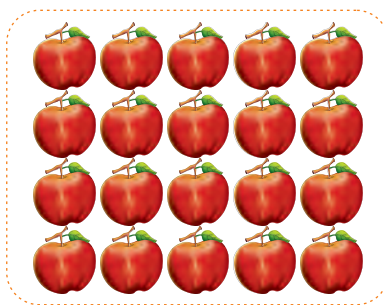
Write 2 in the tens column.

Subtract 4 from 56.
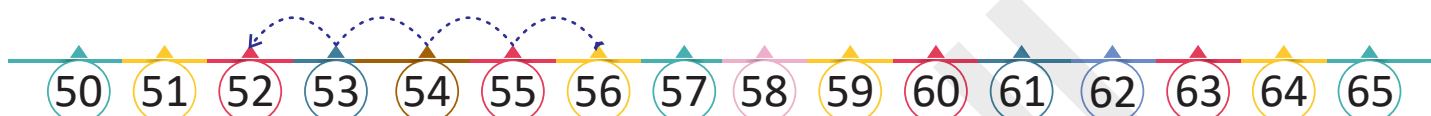
Start at 56. Move back 4 places.

Your reach 52.

The answer is 52 .

T	O
5	6
–	4
5	2
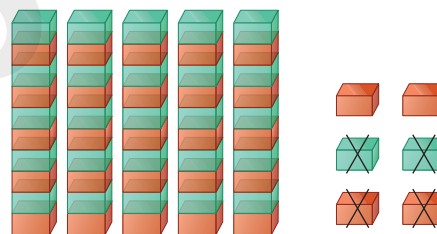
📖 Exercise 6.4

Subtract the following:

1.
T	O
5	9
–	7

2.
T	O
8	7
–	2

3.
T	O
4	8
–	6

4.
T	O
6	5
–	4

5.
T	O
9	5
–	4

6.
T	O
7	7
–	3

7.
T	O
6	4
–	4

8.
T	O
9	9
–	6
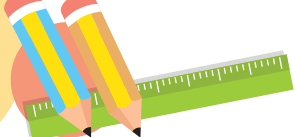
Take away a 2-digit number from a 2-digit number.

Example 4.   Subtract 23 from 45.

Soluon:

Step 1   Subtract the ones.

5 ones − 3 ones = 2 ones

T	O
4	5
− 2	3
	2
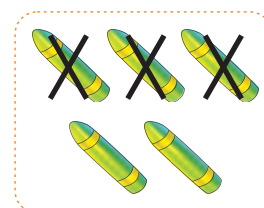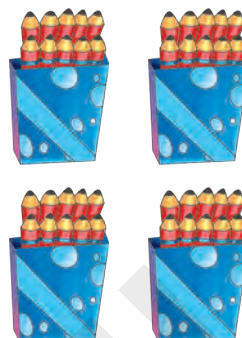
Write 2 in the ones column.

Step 2   Subtract the tens.

4 tens − 2 tens = 2 tens

T	O
4	5
− 2	3
2	2
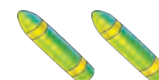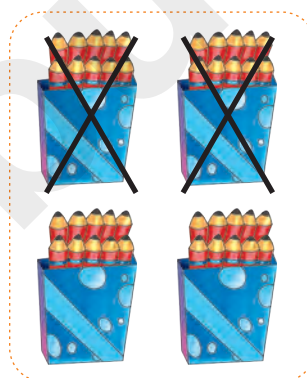
Write 2 in the tens column.

Example 5.   Solve 75 − 34.

Soluon:

Step 1   Arrange the numbers in the columns correctly.

Step 2   Subtract the ones.

5 ones − 4 ones = 1 one

Write 1 in the ones column.

Step 3   Subtract the tens.

7 tens − 3 tens = 4 tens

Write 4 in the tens columns.

Therefore, 75 − 34 = 41

T	O
7	5
− 3	4
4	1

Math-1

Exercise 6.5

A. Subtract the following:

1.
T	O
6	9
– 2	9

2.
T	O
9	8
– 4	5

3.
T	O
5	4
– 1	4

4.
T	O
8	9
– 1	7

5.
T	O
4	6
– 3	5

6.
T	O
7	8
– 5	8

7.
T	O
5	7
– 2	1

8.
T	O
9	9
– 7	8

B. Solve the following. One has been done for you.

1. There are 27 children in Class IA.
   5 are absent.
   How many are present?
   27 – 5 = 22 are present.

Tens	Ones
2	7
–	5
2	2

2. The teacher had 65 sheets of paper.
   42 were used for drawing.
   How many sheets are left?
   65 – 42 = ... sheets left.

Tens	Ones
6	5
– 4	2

3. There are 98 children. 46 are girls.
   how many are boys?
   .... – .... = ... are boys.

Tens	Ones

4. There are 87 desks and chairs.
   34 are desks.
   How many are chairs?
   .... – .... = ... are chairs.

Tens	Ones

Math-1

85

Think Tank

Gap Analyzer..

1. Tick (✓) the correct answer.

(a) $48 + 21 = $ _____.

(i) 59 ☐ (ii) 69 ☐ (iii) 79 ☐

(b) $69 - 28 = $ _____.

(i) 41 ☐ (ii) 51 ☐ (iii) 31 ☐

(c) Biggest number is _____.

(i) 49 ☐ (ii) 69 ☐ (iii) 59 ☐

(d) Smallest number is _____.

(i) 19 ☐ (ii) 39 ☐ (iii) 29 ☐

2. Fill in the blanks.

(a) ☐ $+ 63 = 78$

(b) $96 - 57 = $ ☐

(c) $82 - $ ☐ $= 46$

(d) Ninety one + eight = _____.

(e) $72 + 6 = $ ☐

(f) $88 - 8 = $ ☐

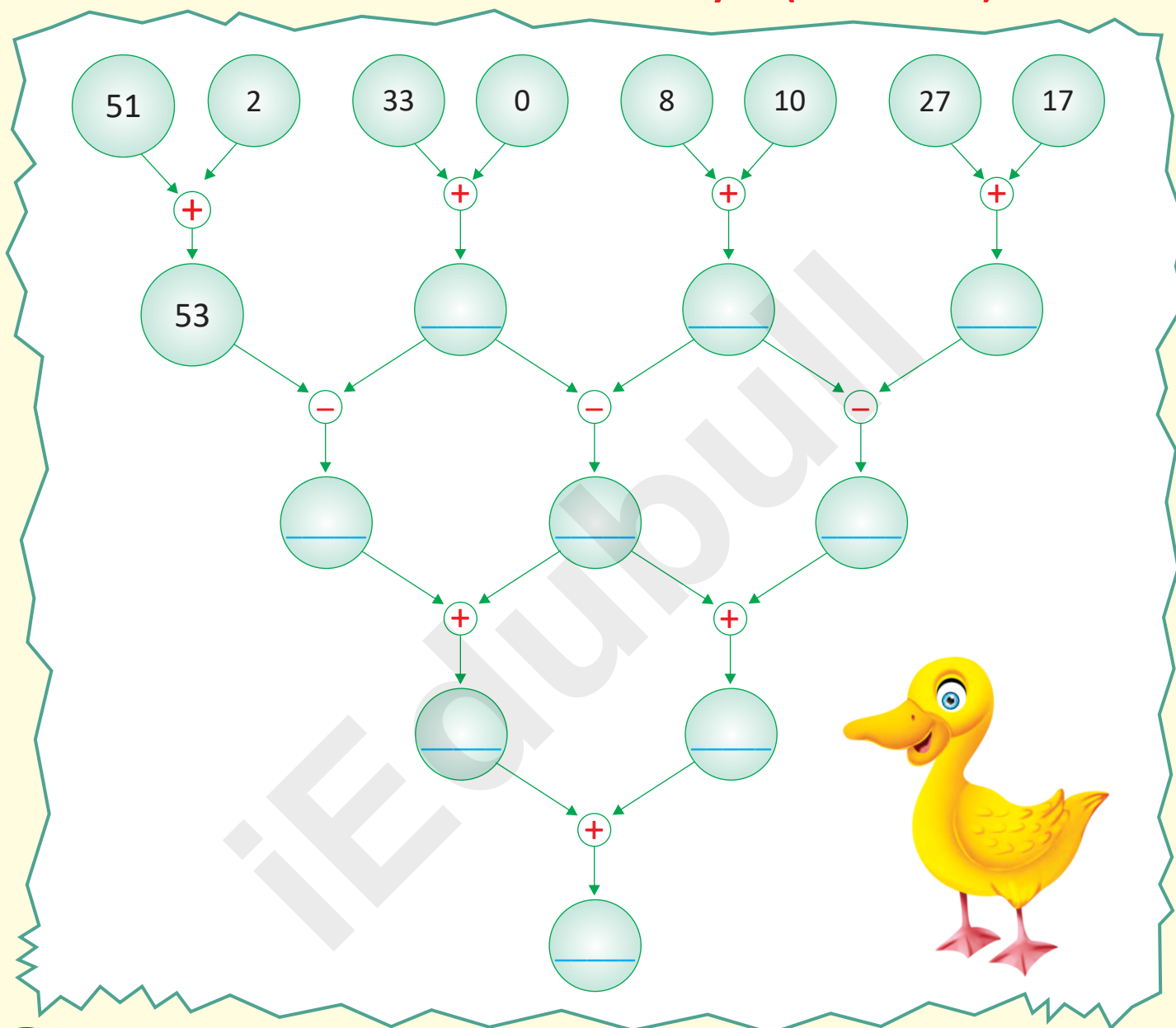(g) $95 - 4 = $ ☐

(h) $55 + 4 = $ ☐

Custom Learning Path

Scan to Create Your Own Learning Path

Math Puzzle
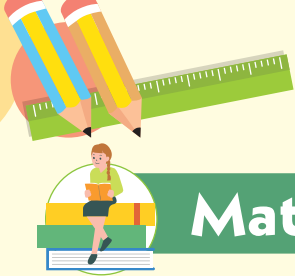
Solve each problem set from top to bottom and help the duck to find the final answer. The first set is solved for you (51 + 2 = 53).

| 51 | 2 | 33 | 0 | 8 | 10 | 27 | 17 |

+ + + +

53

− − −

+ +

+

Mental Math

1. 1 more than 66 is _____ .

2. 86 is _____ than 96.

3. _____ is 1 more than 72.

4. 88 is 1 less than _____ .

Learning objective: To reinforce the concept of addition.

Materials required: White sheet of paper, Bindi packets.

Procedure:

1. Give each child a white sheet of paper and a packet of bindis.

2. Give different addition sums— 3 + 4, 2 + 4, 3 + 6, and so on—

3. Ask each child to stick as many bindis as the numbers in the addition sum, given to him/her, on the white sheet of paper.

4. Ask them to perform the addition, and find how many bindis are there in all.

4   + 2 =   6